

B. IN THE SPECIFICATION

Please amend the specification from page 5, line 1 through page 6, line 18 as follows:

The vehicle shown in Figure 1 has electric regenerative brakes 23 on the first axle 10. The second axle 22 has hydraulic powered friction brakes 26. The first wheeled axle 10 may serve as the front or the rear axle of the vehicle 7. When serving as the rear axle of the vehicle, the configuration of Figure 1 provides an additional advantage of placing more weight on the rear axle. Maximum braking capacity is a direct function of the weight on a given axle. Therefore more weight on the rear axle enhances the regenerative braking capabilities of the regenerative brakes 23. The motor generator 14 is electrically connected with a battery 28, which will be located to take advantage of the space envelope available in the vehicle, as well as the weight distribution for the axles of the vehicle.

Referring to Figure 2, with like items being given identical reference numerals, a hybrid electric vehicle 17 has a first wheeled axle 10. The first axle 10 in the remainder of its characteristics is similar or identical to the first axle 10 of vehicle 7 with regenerative brakes 23. The second axle 32 is powered by an internal combustion engine 36. The internal combustion engine may be a transverse mounted engine or an engine which is aligned with the major axis of the vehicle 17. The engine 36 will typically be torsionally connected with the second axle 32 via a differential and gear set (not shown) as is conventional in the art. Again, the second axle 32 has hydraulic powered or optional electric powered friction brakes 26.

Figure 3 illustrates a hybrid electric vehicle 27. The second wheeled axle 44 has a parallel-series HEV power-split configuration. Referring also to Figures 4-5, a planetary gear set 46 mechanically couples a gear carrier 48 to an internal combustion engine 50 via a one-way clutch 52. The planetary gear set 46 also mechanically couples a sun gear 54 to a second motor generator 56 and to a ring gear (output) 58. The motor generator 56 also mechanically links to a generator brake 60 and is electrically linked to a battery 28. The ring gear 58 is mechanically coupled to the drive wheels 64 via output half-shafts 66. Half-shafts 66 are coupled with a differential 68 which is gearably connected with the ring gear 58.

The planetary gear set 46 splits the engine 50 output energy into a series path from the engine 50 to the generator motor 56 and a parallel path from the engine 50 to the drive wheels 64. The speed of engine 50 can be controlled by

varying the split to the series path while maintaining the mechanical connection through the parallel path.

The vehicle 27 has a first wheeled axle 10. The first wheeled axle 10 is driven by a motor generator 14. The motor generator 14 electrically powers the first wheeled axle 10. The motor generator 14 also can brake the first wheeled axle 10 by electric regenerative ~~braking~~ brakes 23. The motor generator 14 is electrically connected with the battery 28.